

**ABSTRACT**

A system and method including a DAC that receives a multi-bit digital signal and outputs at least two analog signals including a first analog signal and a second analog signal, the first analog signal being indicative of a sum of values of bits in the multi-bit digital signal, the second analog signal also being indicative of said sum of values of said bits in the multi-bit digital signal. The first and second analog signals may be substantially equal or they may be different from each other.